
North America's Leader in Hazardous Material Information Management
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MSDS PRODUCT INFORMATION

Date: 10/07/2005
To: MSDS Requester
From: 3E Company
Subject: The MSDS you have requested

☐ MSDS NOT REQUIRED

In response to your request for a Material Safety Data Sheet, according to the OSHA Hazard Communication Standard (Right-to-Know), the following item is an article. Articles are defined in 29 CFR 1910.1200(c). Products such as Drugs, cosmetics, food, or alcoholic beverages, wood or wood products, and tobacco or tobacco products, as defined in 29 CFR 1910.1200(b)(6), are exempt from the Hazard Communication Standard. Items that are considered articles, as defined in 29 CFR 1910.1200(c), are also exempt from this Standard. Therefore, the manufacturer is not required to provide an MSDS for this product.

☒ MSDS DISCONTINUED PRODUCT

In response to your request for a Material Safety Data Sheet, the manufacturer has discontinued the product listed below. The MSDS Attached is the most current version, or an MSDS is no longer available.

☐ MSDS BEST COPY AVAILABLE

The MSDS attached is the best copy available from the manufacturer.

☐ MANUFACTURER NO LONGER IN BUSINESS

In response to your request for a Material Safety Data Sheet, a current MSDS could not be obtained for this product. It has been determined that the manufacturer listed below is no longer in business. A current address and phone number could not be located.

Manufacturer: Elmer's Products, Inc.

Product Name: Probond Metal Mender Cement (DISCONTINUED)



Material Safety Data Sheet

1. Chemical Product and Company Identification

DESCRIPTION: PROBOND METAL MENDER CEMENT
PRODUCT TYPE: METALLIC ALLOY ADHESIVE
APPLICATION: E606

• Manufacturer/Supplier Information

MSDS Prepared by:
Elmer's Products, Inc.
1000 Kingsmill Parkway
Columbus, OH 43229
Emergency Phone Number
Poison Control Center
1-800-228-5635 ext 22
For additional health, safety or regulatory information, call 614-225-7689.
Call 1-800-848-9400 to place an order or request additional MSDSs.

2. Composition, Information on Ingredients

The ingredients listed below have been associated with one or more immediate and/or delayed(*) health hazards. Risk of damage and effects depends upon duration and level of exposure. BEFORE USING, HANDLING, OR EXPOSURE TO THESE INGREDIENTS, READ AND UNDERSTAND THE MSDS.

	% by weight
67-63-0 *Isopropanol	5-10
67-64-1 *Acetone	10-30
76-22-2 Camphor	1-5
1317-65-3 *Limestone	50-70
1333-86-4 *Carbon Black	0.1-0.99
9004-70-0 Nitrocellulose	5-10

3. Hazards Identification

3.1 Emergency Overview

Appearance	Viscous gray paste
Odor	Ketone
DANGER!	
EXTREMELY FLAMMABLE LIQUID AND VAPOR	
May be harmful if inhaled.	
Can cause central nervous system depression.	
May be harmful if absorbed through skin.	
Skin irritant.	

Eye irritant.

• HMIS Rating

HEALTH = 2 (moderate)
FLAMMABILITY = 4 (severe)
REACTIVITY = 0 (minimal)
CHRONIC = *

3.2 Potential Health Effects

• Immediate Hazards

INGESTION: May be harmful if swallowed.
Can cause central nervous system effects, including severe epileptiform seizures.

INHALATION: May be harmful if inhaled. Vapor may cause irritation of nose, throat and lungs.
Can cause central nervous system depression.
Can cause central nervous system effects, including severe epileptiform seizures.

SKIN May be harmful if absorbed through skin. Causes irritation.
Can cause central nervous system effects, including severe epileptiform seizures.

EYES: Causes irritation.

Isopropanol 67-63-0
Can cause central nervous system depression. Signs and symptoms may include headache, dizziness, nausea, vomiting, unconsciousness and even asphyxiation.

Acetone 67-64-1
Can cause central nervous system depression. Signs and symptoms may include headache, dizziness, nausea, vomiting, unconsciousness and even asphyxiation.

Camphor 76-22-2
Can cause central nervous system effects, including nausea, vomiting, cyanosis, hypotension, headaches, confusion, dizziness, tremors, apnea, arrhythmia, convulsions and severe epileptiform seizures.

• Delayed Hazards

Isopropanol 67-63-0
Suspect reproductive hazard. May cause reproductive disorders based on animal data.
May cause liver damage based on animal data.
May cause kidney damage based on animal data.
-- See Footnote C.

Acetone 67-64-1
Ingestion may cause liver damage.
Ingestion may cause kidney damage.
-- See Footnote C.

Limestone 1317-65-3
Can cause lung damage. Pre-existing respiratory disorders may be aggravated by exposure.
-- See Footnote C.

Carbon Black 1333-86-4
POSSIBLE CANCER HAZARD. May cause cancer based on animal data. This material has been classified by IARC as an animal carcinogen (Group 2B). This material is not listed by NTP nor regulated by OSHA as a carcinogen.

Chronic inflammation, lung fibrosis and lung tumors have been observed in some rats exposed for long periods of time to excessive concentrations of carbon black and several other insoluble fine dust particles which overwhelm the lung clearance mechanisms. Tumors have not been observed in other animal species similarly tested. Studies in both the carbon black production industry and some user industries suggest that there is inadequate evidence that carbon black causes cancer in humans.

Footnote C: As of the date of issuance of this document, this material has not been listed by NTP, classified by IARC nor regulated by OSHA as a carcinogen.

4. First Aid Measures

INGESTION: If accidentally swallowed, dilute by drinking large quantities of water. Immediately contact poison control center or hospital emergency room for any other additional treatment directions.

INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Call a physician.

SKIN: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing and shoes before reuse.

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held apart during irrigation to insure water contact with entire surface of eyes and lids. Call a physician.

5. Fire Fighting Measures

Autoignition Temperature	Not available
Upper/Lower Flammable Limits	Not available
Up/Lower Explosive Limits, % by Vol	12.8/2.6
Flash Point	-18 deg C (TCC)

EXTREMELY FLAMMABLE.

Keep liquid and vapor away from heat, sparks, flame and other ignition sources including, but not limited to, pilot lights, heaters, cigarettes, electric motors and static discharge. Vapor is heavier than air and may settle in low places or travel outward to a source of ignition and flashback.

In case of fire, use water spray, dry chemical, foam or CO₂. Use water to keep fire-exposed containers cool.

6. Accidental Release Measures

Eliminate all ignition sources. Prevent entry into natural bodies of water.

7. Handling and Storage

7.1 Handling

Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and

removal of the material from eyes, skin and clothing.
Wash thoroughly after handling.
INHALATION: Avoid breathing vapor. Use with adequate ventilation.
SKIN: Avoid contact with skin and clothing.
EYES: Avoid contact with eyes.

7.2 Storage

Store in a cool, dry place.
Keep containers tightly closed.
Keep away from heat, sparks, flame and other ignition sources.

8. Exposure Controls/Personal Protection

8.1 Exposure Controls

ENGINEERING CONTROLS: The following exposure control techniques may be used to effectively minimize employee exposure: local exhaust ventilation, enclosed system design, process isolation and remote control in combination with appropriate use of personal protective equipment and prudent work practices. These techniques may not necessarily address all issues pertaining to your operations. We, therefore, recommend that you consult with experts of your choice to determine whether or not your programs are adequate. If airborne contaminants are generated when the material is heated or handled, sufficient ventilation in volume and air flow patterns should be provided to keep air contaminant concentration levels below acceptable criteria.

8.2 Personal Protection

Where air contaminants can exceed acceptable criteria, use NIOSH/MSHA approved respiratory protection equipment. Respirators should be selected based on the form and concentration of contaminants in air in accordance with OSHA laws and regulations or other applicable standards or guidelines, including ANSI standards regarding respiratory protection. Use goggles if contact is likely. Wear impervious gloves as required to prevent skin contact.

8.3 Exposure Guidelines

Isopropanol 67-63-0
ACGIH TLV: 400 ppm (983 mg/m³) TWA; 500 ppm (1230 mg/m³) STEL
OSHA PEL: 400 ppm (980 mg/m³) TWA
REMANDED PEL: 400 ppm (980 mg/m³) TWA; 500 ppm (1225 mg/m³) STEL
OSHA 1989 PEL remanded, but in effect in some states
Acetone 67-64-1
ACGIH TLV: 500 ppm (1188 mg/m³) TWA; 750 ppm (1782 mg/m³) STEL
OSHA PEL: 1000 ppm (2400 mg/m³) TWA
REMANDED PEL: 750 ppm (1800 mg/m³) TWA; 1000 ppm (2400 mg/m³) STEL
OSHA 1989 PEL remanded, but in effect in some states
Camphor 76-22-2
ACGIH TLV: 2 ppm (12 mg/m³) TWA, synthetic; 3 ppm (19 mg/m³) STEL
OSHA PEL: 2 mg/m³ TWA, synthetic

Limestone 1317-65-3
ACGIH TLV: 10 mg/m³ TWA, inhalable particulate
OSHA PEL: 5 mg/m³ TWA, respirable particulates; 15 mg/m³ TWA
total dust
Carbon Black 1333-86-4
ACGIH TLV: 3.5 mg/m³ TWA
OSHA PEL: 3.5 mg/m³ TWA
Nitrocellulose 9004-70-0
ACGIH TLV: NONE ESTABLISHED
OSHA PEL: NONE ESTABLISHED

9. Physical and Chemical Properties

Percent Volatiles	38
pH @ 25 C	Not available
Specific Gravity	1.45
Appearance	Viscous gray paste
Autoignition Temperature	Not available
Boiling Point	70 deg C
Vapor Density (Air=1)	> 1
Vapor Pressure, mm Hg @ 20 C	180
Evaporation Rate (Butyl Acetate=1)	> 1
Upper/Lower Flammable Limits	Not available
Up/Lower Explosive Limits, % by Vol	12.8/2.6
Flash Point	-18 deg C (TCC)
Freezing Point	Not available
Odor	Ketone
Odor Threshold, ppm	Not available
Solubility in Water	Negligible
Coefficient of Water/Oil Distrib.	Not available

10. Stability and Reactivity

Normally stable as defined in NFPA 704-12(4-3.1).

• Incompatibilities:

Oxidizers, alkaline materials.

• Decomposition products may include:

Oxides of carbon and nitrogen.

• Hazardous polymerization:

Will not occur.

• Other Hazards:

None known to Borden.

11. Toxicological Information

See Section 3 Hazards Identification information.

Isopropanol	67-63-0
LC50: rat=	16000 ppm/8H (Sax)
LD50: orl-rat=	5.8 g/kg (Merck); skn-rbt=13 g/kg (Sax)
Acetone	67-64-1
LC50:	Not available
LD50: oral-rat=	5800 mg/kg (RTECS); skin-rabbit=20 gm/kg (RTECS)
Camphor	76-22-2
LC50:	Not available
LD50: orl-mus=	1310 mg/kg (RTECS)
Limestone	1317-65-3
LC50:	Not available
LD50:	Not available
Carbon Black	1333-86-4
LC50:	Not available
LD50:	Not available
Nitrocellulose	9004-70-0
LC50:	Not available
LD50:	Not available

12. Ecological Information

Not determined.

13. Disposal Considerations

Dispose of according to local, state/provincial, and federal requirements.
Empty container: May contain explosive vapors. DO NOT cut, puncture or weld on or nearby.

14. Transport Information

14.1 U.S. Department of Transportation (DOT)

The data provided in this section is for information only and may not be specific to your package size. You will need to apply the appropriate regulations to properly classify your shipment for transportation.
ORM-D Consumer Commodity.

14.2 Canadian Transportation of Dangerous Goods (TDG)

Not determined.

15. Regulatory Information (Selected Regulations)

15.1 U.S. Federal Regulations

- **OSHA Hazard Communication Standard 29CFR1910.1200**

This material is a "health hazard" and/or a "physical hazard" as determined when reviewed according to the requirements of the Occupational Safety and Health Administration 29 CFR Part 1910.1200 "Hazard Communication" Standard.

- **SARA Title III: Section 311/312**

Fire hazard
Immediate health hazard
Delayed health hazard

- **SARA Title III Section 313 and 40 CFR Part 372**

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986, and Subpart C-Supplier Notification Requirement of 40 CFR Part 372.
None required per SARA TITLE III SECTION 313.

- **TSCA Section 8(b) Inventory**

All reportable chemical substances are listed on the TSCA Inventory. We rely on certifications of compliance from our suppliers for chemical substances not manufactured by Borden.

15.2 Canadian Regulations

- **Workplace Hazardous Materials Information System (WHMIS)**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR) and the MSDS contains all the information required by the CPR.

CLASS D, DIV 1B
CLASS D, DIV 2A, 2B
CLASS B, DIV 2

- **Canadian Environmental Protection Act (CEPA)**

All reportable chemical substances are listed on the Domestic Substances List (DSL) or otherwise comply with CEPA new substance notification requirements.

- **National Pollutant Release Inventory (NPRI)**

This product contains the following chemical(s) subject to the reporting requirements of the Canadian Environmental Protection Act (CEPA) subsection 16(1), National Pollutant Release Inventory.

Isopropyl alcohol	67-63-0	9.00%
Acetone	67-64-1	28.00%

16. Other Information

- **User's Responsibility**

The OSHA Hazard Communication Standard 29CFR 1910.1200 and the Workplace Hazardous Materials Information System (WHMIS) require that the information contained on these sheets be made available to your workers. Educate and train your workers regarding OSHA and WHMIS precautions. Instruct your workers to handle this product properly. Consult with appropriate experts to guard against hazards associated with use of this product and its ingredients.

- **Disclaimer**

SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE, except that the product shall conform to contracted specifications, and that the product does not infringe any valid United States or Canadian patent. No claim of any kind shall be greater in amount than the purchase price of the quantity of product in respect of which damages are claimed. In no event shall Seller be liable for incidental or consequential damages, whether Buyer's claim is based on contract, breach of warranty, negligence or otherwise.

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